

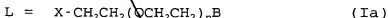
CLAIMS

1. A method for removing water from surfaces of various materials, comprising the steps of covering said surface with a composition having a specific weight higher than that of the water and subsequently removing water from the composition by skimming, wherein a composition essentially consisting of the following components is used:

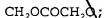
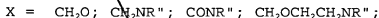
- A) a non ionic additive having a fluoropolyether structure with a fluorinated T end group containing one chlorine atom, having the following formula:



wherein



wherein:



with $R'' = H; C_{1-3}$ alkyl,

T is a fluorinated radical selected from $ClCF_2CF(CF_3)-$, $CF_3CFC1CF_2-$, $ClCF_2CF_2-$, $ClCF_2-$,

$Y = CF_3$ or F ,

the radical R_f being of (per)fluoropolyether type; being in said additive of formula (I):

- the number average molecular weight of the

fluoroether part $T-OR_f$ in the range 400-2,000,

the ratio by weight (K) between the fluorinated part and the hydrogenated L part of the additive is in the range 1.50-4.00; the n parameter in formula (Ia) being such as to meet said ratio;

B) a perfluoropolyether having number average molecular weight in the range 300-900, the ratio K^1 between the number average molecular weight of the fluoro-polyether part $T-OR_f$ of the additive and the number average molecular weight of component B) being higher than 1.60.

2. A method according to claim 1, wherein the number average molecular weight of the fluoroether part $T-OR_f$ of the compounds of formula (I) component A) is preferably in the range 500-1,200, still more preferably in the range 600-1,000.

3. A method according to claims 1-2, wherein the perfluoropolyether component B) has number average molecular weight preferably in the range 300-650.

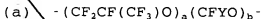
4. A method according to claims 1-3, wherein the radical R_f of fluoropolyether type preferably comprises repeating units statistically distributed along the polymer chain

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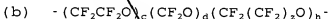
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selected from: $(\text{CF}_2\text{CF}_2\text{O})$, (CFYO) wherein Y is equal to F or CF_3 , $(\text{C}_3\text{F}_6\text{O})$; $(\text{CF}_2(\text{CF}_2)_z\text{O})$ wherein z is an integer equal to 2 or 3, $(\text{CF}_2\text{CF}(\text{OR}_f)_2\text{O})$, $(\text{CF}(\text{OR}_f)_2\text{O})$ wherein R_f is equal to $-\text{CF}_3$, $-\text{C}_2\text{F}_5$, $-\text{C}_3\text{F}_7$; $\text{CR}_4\text{R}_5\text{CF}_2\text{CF}_2\text{O}$ wherein R_4 and R_5 are equal to or different from each other and selected between Cl or perfluoroalkyl, preferably having 1-4 carbon atoms.

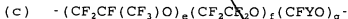
5. A method according to claim 4, wherein the group R_f comprises the following repeating units:



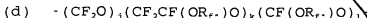
wherein Y is F or CF_3 ; a and b are integers such that the molecular weight is in the above range; a/b is in the range 10-100;



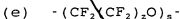
wherein c, d and h are integers such that the molecular weight is within the above range; c/d is in the range 0.1-10; h/(c+d) is in the range 0-0.05, z has the above value, h can be equal to 0;



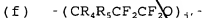
wherein Y is F or CF_3 ; e, f, g are integers such that the molecular weight is within the above range; e/(f+g) is in the range 0.1-10, f/g is in the range 2-10;



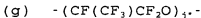
wherein: R_f is $-CF_3$, $-C_2F_5$, $-C_3F_7$; j, k, l are integers such that the molecular weight is within the above range; $k+1$ and $j+k+1$ are at least equal to 2, $k/(j+1)$ is in the range 0.01-1,000, $1/j$ is in the range 0.01-100;



wherein s is an integer such as to give the above molecular weight, z has the already defined meaning;



wherein R_4 and R_5 are equal to or different from each other and selected from H, Cl or perfluoroalkyl, having 1-4 carbon atoms, j' being an integer such that the molecular weight is the above one;



j being an integer such to give the above molecular weight.

6. A method according to claims 1-5, wherein the value K^I is higher than 2.00 and preferably in the range 2.00-3.00.
7. A method according to claims 1-6, wherein the perfluoro-polyether component B) preferably has the following structure:



wherein:

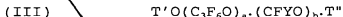
R_f has the above meaning;

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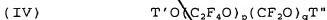
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T' and T", equal to or different, are selected from $-CF_3$, $-C_2F_5$, $-C_3F_7$.

8. A method according to claim 7, wherein the perfluoropolyether component B) has a structure selected from the following:



wherein Y = F or CF_3 , a" and b" are integers such that the molecular weight is within the range with a"/b" in the range 1-40; T' and T" are as above defined.



wherein p and q are integers such that the molecular weight is within the indicated range with p/q in the range 0.6-1.2; T' and T" are as above.



wherein s' is an integer such that the molecular weight is within the indicated range; T' and T" are as above.

9. A method according to claims 1-8, wherein the amount of additive A) in the compositions is lower than or equal to 0.1% by weight, preferably lower than 0.05% with respect to the total weight of the composition.
10. A composition according to claims 1-9.
11. Non ionic additive having a fluoropolyether structure

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according to claims 1-9.

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